

Ackerman, Joyce

From: Stovall - CDPHE, Curtis <curtis.stovall@state.co.us>
Sent: Monday, November 5, 2018 6:13 AM
To: Edward Smith; Ikenberry, Doug; Henderson, Jerry; randy.perila@state.co.us; Lukas Staks; MacGregor - CDPHE, Kelly; Fronczak, David; Ackerman, Joyce; martin.ogradey@state.co.us
Subject: Fwd: Stratus Redtail 2 Property: Limited Phase II subsurface investigation daily field report (11/1)
Attachments: DE0354 StratusRedtail_LimPhII Invest_DFR_20181101.pdf

No drums found on the former Waste Connections property. Attached is the daily field report from last Thursday.

----- Forwarded message -----

From: Jonathan Gillen <JGillen@geosyntec.com>
Date: Fri, Nov 2, 2018 at 1:13 PM
Subject: Stratus Redtail 2 Property: Limited Phase II subsurface investigation daily field report (11/1)
To: Stovall - CDPHE, Curtis <curtis.stovall@state.co.us>
Cc: Richard Dean <rdean@stratuscompanies.com>, Jonathan H. Steeler <JSteeler@sennlaw.com>, Dave Folkes <DFolkes@geosyntec.com>, Luke Fitzgerald <LFitzgerald@geosyntec.com>, Martina Litasi <MLitasi@geosyntec.com>

Good afternoon Curt,

Pursuant to your request, we will be sending you daily field reports regarding the investigation on the former Waste Connections property (Stratus Redtail Ranch 2 Property, or simply Redtail Ranch 2). This way you can be kept in the loop regarding investigation progress through the completion of test pits and the installation of the monitoring well (WCMW-25) which replaces the MW-25 proposed location from the CMWP work.

Attached is the daily field report (DFR) for yesterday. Note that the test pit logs mentioned in the attachment section are not provided. We can update the DFR once those are available.

Please let me know if you have any questions, or if you would like to discuss anything.

Best,

Jonathan H. Gillen, P.E.

Engineer

(Licensed P.E. in MA)

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DATE:	November 1, 2018
WEATHER:	Cloudy, sunny, afternoon winds, H 62 °F; L 33 °F (Weather info obtained from Vista Ridge - Alpine Station – Weather underground)
WORK START/END:	November 1, 2018 (8:00 am – 4:25 pm MDT)
Activities Summary:	Test pit excavations
Geosyntec Personnel on-site:	Luke Fitzgerald
Subcontractor Personnel on-site:	Chad Gibbs (Overley's), Angel Cardenas (Overley's), Nestor Sapien (Overley's), Curt Stovall (CDPHE)
Attachments:	Field Test Pit Logs for: TP-EM-05, TP-EM-04, TP-EM-06, TP-EM-03, TP-EM-02, TP-EM-01, and TP- ESW-01.

INVESTIGATION ACTIVITY SUMMARY

- L. Fitzgerald (Geosyntec) arrived onsite at 8:00 am MDT. Chad from Overley's and Curt Stovall (CDPHE) already on-site.
- At 8:05 am, Geosyntec met with CDPHE and discussed excavation locations, including placement of extent of solid waste (ESW) test pits at toe of berm, and locations that may potentially be under water. CDPHE indicated the preference is to not excavate underwater locations until area is dry (possibly the spring).
- At 8:20 am additional personnel for Overley's arrived on-site.
- At 8:25 am Geosyntec conducted a health and safety tailgate meeting to discuss site hazards and general scope of work. Geosyntec discussed hazards associated with changing weather conditions due to the potential for rising temperatures later in the day.
- Overley's began excavation at TP-EM-05 at 8:55 am. A single piece of metal, suspected to be a gas tank from a vehicle was identified approximately 1 ft below ground surface (bgs). Additional material was excavated around the identified anomaly to verify that no additional metallic debris was located in the area.
- Overley's began excavation at TP-EM-04 at 9:30 am. Multiple pieces of metal including suspected springs and mattress components were identified approximately 1-2 ft bgs. Additional material was excavated around the identified anomalies to verify that no additional metallic debris was located in the area.
- Based on discussions with CDPHE additional material in the area of the TP-EM-04 anomaly was excavated to further investigate the full extents of the anomaly, as identified on Figure 1 of the Waste Connections Property – Limited Phase II Environmental Site Assessment Scope of Work (SOW), additional fragments of metallic debris were found scattered through area. Areas were excavated to depths down to native/undisturbed material.

- At 9:35 am, Roger Hollard (Stratus) arrived at the site. Roger did not have safety gear. Roger stayed in his parked vehicle on the Crestone pad, approximately 300 ft southeast of the excavation area and observed excavations.
- Geosyntec and CDPHE discussed location TP-EM-07. After verifying GPS coordinates, it appeared that TP-EM-07 was located approximately 10-15 ft past the shoreline of the pond located at the Site. Based on the location CDPHE determined that TP-EM-07 should not be excavated at this time.
- Overley's began excavation at TP-EM-06 at 10:20 am. Multiple pieces of metal suspected to be from a refrigerator were identified approximately 1 ft bgs. Additional material was excavated around the identified anomaly to verify that no additional metallic debris was located in the area.
- At 10:35 am, CDPHE demobilized from the site.
- Overley's began excavation at TP-EM-03 at 10:55 am. No metallic debris was located in the immediate area of anomaly noted on Figure 1 of the SOW. Fragments of metallic debris were found approximately 30 ft south of the anomaly noted on Figure 1 of the SOW.
- At 11:40 am, Geosyntec discussed anomaly locations on Figure 1 of the SOW with J. Gillen. After discussion it was determined that location needed to be re-evaluated.
- At 11:50 am, Geosyntec discussed excavation locations with CDPHE on the phone, and discussed options for excavating locations that might be underwater in pond or close to edge of water. CDPHE determined that de-watering of the area should not be done, but if a location is within 2-3 ft of the shoreline of the pond then a berm could be constructed to prevent water from entering the test pit during excavation.
- After reevaluating the location for TP-EM-03, Overley's began re-excavation of the location at 12:25 pm. A single piece of metal, suspected to be a gas tank from a vehicle was identified approximately 2 ft bgs. Additional material was excavated around the identified anomaly to verify that no additional metallic debris was located in the area.
- Overley's began excavation at TP-EM-02 at 1:15 pm. Multiple pieces of metal, suspected to be pieces from one or multiple vehicles, were identified approximately 1 ft bgs. Additional pieces of metallic debris were excavated but could not be identified. Additional material was excavated around the identified anomaly to verify that no additional metallic debris was located in the area.
- Overley's began excavation at TP-EM-01 at 3:40 pm. No metallic anomalies were identified in the location identified on Figure 1 of the SOW, the excavation was extended to a depth below native/undisturbed material to confirm that no buried metallic objects were in the area. A section of fence along the Northern boundary of the Site that was deformed in the direction of the anomaly identified on Figure 1 of the SOW was thought to possibly be the source of the anomaly identified in the area. Excavations were extended approximately 650 ft to the south to the starting location of TP-ESW-01 to identify the ESW. No solid waste or metallic

objects were identified in the excavated area. Final excavation at TP-EM-02 was approximately 50 ft L x 20 ft W x 6 ft D.

- Overlay's began excavation at TP-ESW-01 at 3:20 pm. At 3:25 pm two members of the Overlay's crew demobilized from the site for the day. The excavation was extended to the east approximately 35 ft, until the location of the previous excavation and magnetic anomaly from TP-EM-03 was encountered. As solid waste was found in this location it was deemed to be the edge of solid waste for the location. Final excavation at TP-ESW-01 was approximately 35 ft L x 4 ft W x 4 ft D.
- At 3:55 pm, Geosyntec mobilized to location of monitoring wells on-site. Chad from Overleys performed maintenance on the excavator.
- At 4:00 pm, Geosyntec collected water levels from the four new on-site monitoring wells.
- At 4:20 pm, Overlay's demobilized from the site for the day.
- At 4:25 pm, Geosyntec demobilized from site for the day.

Update completed by: L. Fitzgerald (Geosyntec)

PHOTOS



Figure 1: Overley's utilizes a Doosan DX235LCR excavator to excavate test pit TP-EM-05.



Figure 2: Metallic anomaly identified in TP-EM-05.



Figure 3: Excavating at TP-EM-04.

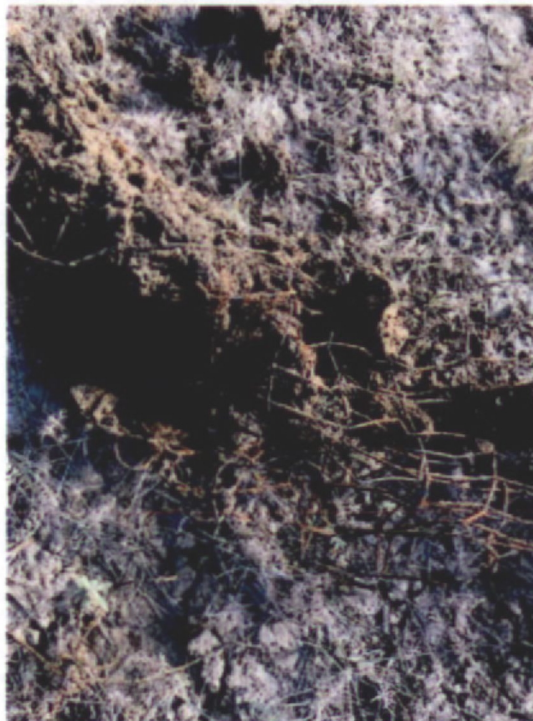


Figure 4: Metallic debris from TP-EM-04.



Figure 5: Excavating at TP-ME-06.



Figure 6: Metallic debris from TP-EM-06



Figure 7: Excavating at TP-EM-03.



Figure 8: Metallic debris from TP-EM-03.



Figure 9: Excavating at TP-ME-02.



Figure 10: Metallic debris from TP-EM-02.



Figure 11: Excavating at TP-ME-01.



Figure 12: No metallic anomaly identified in TP-EM-01 up to edge of property fence.



Figure 13: deformation in fence possibly responsible for anomaly originally identified at TP-EM-01.



Figure 14: Excavation at TP-EM-01 extended to the south to E-W line of TP-ESW-01 location.



Figure 15: Excavating at TP-ESW-01.



Figure 16: Excavation at TP-ESW-01 extended to test pit excavation for TP-EM-03.